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No. 247-Sixth Edition.

LIST OF

BULLETINS AND CIRCULARS

ISSUED BY THE

U. S. DEPARTMENT OF AGRICULTURE

AND

AVAILABLE FOR FREE DISTRIBUTION.

CORRECTED TO OCTOBER 15, 1900.



United States Department of Agriculture, DIVISION OF PUBLICATIONS.

Washington, D. C., October 15, 1900.

Note.—Copies of the publications in the accompanying list will be sent free, so long as the editions permit, on application to the Secretary of Agriculture, Washington, D. C. Applications for Farmers' Bulletins may also be sent to Senators, Representatives, and Delegates in Congress, each of whom has a quota of several thousand copies for distribution among constituents.

The Farmers' Bulletins and Circulars of Information issued by the U. S Department of Agriculture are printed in large editions and are for free distribution, the object being to supply farmers and others interested in Agriculture and kindred subjects with condensed and practical information. It is expected, however, that applicants will ask for only such publications as are likely to be of special interest to them, and not with a view of getting complete sets, which might embrace certain bulletins or circulars of no use to them but which would be of great value to some one else. If applicants will bear this fact in mind, they will greatly aid the Department in its effort to make the widest and at the same time the most useful distribution of its publications.

BULLETINS AND CIRCULARS FOR FREE DISTRIBUTION.

FARMERS' BULLETINS.

No. 16.—Leguminous Plants for Green Manuring and for Feeding. Pp. 24.

CONTENTS: Green manuring—How plants get nitrogen from the air—Some crops for green manuring—Composition of green leguminous crops—Green manuring compared with feeding the crops—Alfalfa and crimson clover for feeding—Cowpeas for feeding—Advantages of soiling—Value of leguminous crops for feeding.

No. 19.—Important Insecticides: Directions for Their Preparation and Use. Pp. 32, figs. 3.

CONTENTS: Relation of food habits to remedies—Insecticides for external biting insects (food poisons)—Insecticides for external sucking insects (contact poisons)—Dusting and spraying apparatus—Remedies for subterranean insects—Remedies for insects affecting grain and other stored products—Control of insects by cultural methods—Profit in remedial measures.

No. 21.—Barnyard manure. Pp. 32, figs. 7.

Contents: Manure as a farm resource—Amount, value, and composition of manures produced by different animals—Influence of age and kind of animal, of quality and quantity of food, of the nature and proportion of litter—Management and use of manure—Lasting or cumulative effect of barnyard manure.

No. 22.—The Feeding of Farm Animals. Pp. 32.

CONTENTS: Principles of feeding—Composition of the animal body—Composition and digestibility of feeding stuffs—Feeding standards for different kinds of animals—Calculation of rations—Selection of feeding stuffs—Preparation of food for animals—Feeding for fat and for lean—Wheat as a food for animals—Table showing composition of feeding stuffs.

No. 23.—Foods: Nutritive Value and Cost. Pp. 32, charts 2.

CONTENTS: Nutriment in food and how it is used in the body—Chemical composition of food materials—The fuel value of food—Definition of food and food economy—Nutritive value of different food materials—Digestibility of food—Calculation of daily dietaries—Pecuniary economy of food—Food and health.

No. 24.—Hog Cholera and Swine Plague. Pp. 16.

CONTENTS: General characters—Symptoms—Appearance on post-mortem examination—The cause of these diseases—Diagnosis and prognosis—Formula for remedy for hog cholera and swine plague—Sanitary measures to prevent the introduction of hog cholera and swine plague—Prevention of disease by proper breeding and feeding.

No. 25.—Peanuts: Culture and Uses. Pp. 24, fig. 1.

CONTENTS: Description and history—Composition—Varieties—Climate and soil suitable for peanut culture—Manuring—Culture—Harvesting—Uses.

No. 26.—Sweet Potatoes: Culture and Uses. Pp. 30, figs. 4.

CONTENTS: Propagation—Character and preparation of soil—Transplanting—Cultivation—Manuring—Harvesting and storing—Varieties—Fungous diseases and insect enemies—Uses—Cost of production.

No. 27.—Flax for Seed and Fiber in the United States. Pp. 16.

Contents: Can both seed and fiber be saved?—Soil selection and preparation—Fertilizing—Rotation—Kind and quantity of seed to sow—Weeds—Harvesting the fiber—Saving the seed—Retting the straw—The "American practice."

No. 28.—Weeds: And How to Kill Them. Pp. 32, figs. 11.

CONTENTS: General methods of eradicating weeds—List of weeds attracting special attention during 1894—Table of one hundred weeds.

No. 29.—Souring of Milk and Other Changes in Milk Products. Pp. 23.

CONTENTS: Composition of milk—Causes of fermentation—Sources, number, and kinds of dairy bacteria—The souring of milk—Supposed effect of thunder storms—Other forms of fermentation—Fermentation of milk by rennet.

No. 30.—Grape Diseases on the Pacific Coast. Pp. 15, figs. 3.

CONTENTS: California vine disease—Powdery mildew—Coulure.

No. 31.—Alfalfa, or Lucern. Pp. 24, figs. 3.

Contents: Name—History—Description—Varieties—Habits of growth—Preparation of the soil—Sowing the seed—Alfalfa hay—Feeding value—Soiling vs. pasturing—Alfalfa for hogs—Alfalfa in the orchard—Chemical composition—Alfalfa as a soil renovator—Destroying alfalfa—Enemies of alfalfa.

No. 32.—Silos and Silage. Pp. 32, figs. 10.

CONTENTS: Historical—Construction and cost of silos—Selection and culture of silage crops—Filling the silo—Cost of silage—Composition and feeding value of silage—Feeding silage to farm stock.

No. 33.—Peach Growing for Market. Pp. 24, figs. 21.

CONTENTS: Where peaches can be grown—Planting within easy reach of large markets—Extent of peach lands in the United States—Planting and cultivation of the orchard—Pruning—Fertilizers—Fungous diseases and insect pests—Spraying, washing, etc.—Picking and marketing the fruit—Gluts in the market—Hindrances to profitable peach culture.

No. 34.—Meats: Composition and Cooking. Pp. 29, figs. 4.

Contents: Animal and vegetable foods compared—Structure, composition, texture (toughness), flavor, and digestibility of meats—The cooking of meats—Cuts of meat—Fuel value of meats.

No. 35.—Potato Culture. Pp. 24, figs. 2.

CONTENTS: Soil and rotation—Manuring—Varieties—Time to cut seed potatoes—Quantity of seed potatoes per acre—Weight and number of eyes per set—Number of cuttings and stalks per hill—Cultivation—Mulching—Harvesting and storing—Second-crop potatoes.

No. 36.—Cotton Seed and Its Products. Pp. 16.

Contents:—Cotton seed—Method of manufacturing cotton-seed products—Cotton-seed oil, meal, and hulls—Cotton-seed-hull ash—Feeding cotton-seed products to farm stock—Effect on health of animals.

No. 37.—Kafir Corn: Characteristics, Culture, and Uses. Pp. 12, fig. 1.

CONTENTS: Characteristics, culture, and uses—Varieties—Soils and climate—Preparation of the soil—Methods of seeding—Cultivation and harvesting—Yield—Composition—Practical feeding tests.

No. 38.—Spraying for Fruit Diseases. Pp. 12, figs. 6.

CONTENTS: Fungicides, or remedies for plant diseases—Applying fungicides—Treatment of grape, apple, pear, quince, cherry, and plum diseases.

No. 39.—Onion Culture. Pp. 31, figs. 3.

CONTENTS: Selection and preparation of soil—Fertilizing—Seed and varieties—Growing onions from sets and from seeds sown in the field—Transplanting—Cultivation and weeding—Irrigation—Harvesting—Storing—Production of seed—Two important enemies of the onion.

No. 40.—Farm Drainage. Pp. 24, figs. 6.

CONTENTS: Structure of soils, and its relation to their drainage—Natural and artificial drainage—Surface drainage and underdrainage—Tile drainage—Open drains—Construction of open ditches.

No. 41.—Fowls: Care and Feeding. Pp. 24, figs. 4.

CONTENTS: Site for building and yards—Construction of houses—Perches, nests, drinking fountains, dust boxes, etc.—Breeds and breeding—Feeding—Brooders and incubators—Diseases and lice—Dressing and shipping.

No. 42.—Facts about Milk. Pp. 29, figs. 8.

CONTENTS: The dairy industry—Composition and causes of variation in milk—Difficulties in obtaining pure milk—Changes in milk—Care of milk—Detecting impure milk—Town and city milk supply.

No. 43.—Sewage Disposal on the Farm and the Protection of Drinking Water. Pp. 20, figs. 8.

CONTENTS: Methods of disposal of different kinds of sewage—Protection of drinking water—Ways of contamination of water—Construction of wells.

No. 44.—Commercial Fertilizers: Composition and Use. Pp. 24.

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No. 45.-Some Insects Injurious to Stored Grain. Pp. 24, figs. 18.

Contents: Grain weevils—Grain moths—Flour and meal moths—Flour beetles—Meal worms—Grain beetles—The cadelle—Parasites and natural enemies—Methods of control: Preventive measures; insecticides and other destructive agencies; the bisulphide of carbon treatment; summary of principal remedies.

No. 46.—Irrigation in Humid Climates. Pp. 27, figs. 4.

Contents: The advantages of an abundant supply of soil moisture—The rainfall of the growing season in the United States is insufficient for maximum yield—Extent of irrigation in the humid parts of Europe—The rainfall of Europe and the Eastern United States compared—Fertilizing value of irrigation waters—Lands best suited to irrigation in humid climates—Methods of obtaining water for irrigation—The construction of reservoirs—Methods of applying irrigation water.

No. 47.—Insects Affecting the Cotton Plant. Pp. 32, figs. 18.

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No. 48.—The Manuring of Cotton. Pp. 16.

CONTENTS: The draft of the cotton plant upon the fertility of the soil—Experiments in the manuring of cotton.

No. 49.—Sheep Feeding. Pp. 24.

CONTENTS: Feeding breeding ewes—Feeding lambs intended for breeding purposes—Feeding lambs for market.

No. 50.—Sorghum as a Forage Crop. Pp. 20, fig. 1.

CONTENTS: General characteristics and origin—Extent of cultivation in the United States—Varieties—Conditions of growth—Methods of culture—Yield—Value of forage—Chemical composition and digestibility—Objections sometimes urged against sorghum as a forage crop.

No. 51.—Standard Varieties of Chickens. Pp. 48, figs. 42.

Enumerates, describes, and illustrates forty-four varieties of barnyard fowls, popularly called chickens, and recites their respective points of superiority and general utility.

No. 52.—Sugar Beet. Pp. 48, figs. 24.

Contents: Climatic conditions affecting the growth of the sugar beet—The theoretical sugar-beet belt of the United States—Growth of beets on irrigated lands—Varieties of beets—Soils—Fertilization—Precautions to be observed in applying stable manure—Preparation of the land for planting—Planting—Cultivation—Cost of growing beets—Harvesting—Siloing—Domestic production of beet seed—Comparative value of domestic and foreign-grown seed—Manufacture of sugar—Home consumption of sugar—Waste products—Cost of manufacture—Cost of factory—Cooperative factories—Statistical.

No. 53.—How to Grow Mushrooms. Pp. 20, figs. 14.

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No. 54.—Some Common Birds in Their Relation to Agriculture. Pp. 40, figs. 22.

CONTENTS: The cuckoos—The woodpeckers—The kingbird—The phœbe—The bluejay—The crow—The bobolink, or rice bird—The red-winged blackbird—The meadow lark, or old field lark—The Baltimore oriole—The crow black-bird—The sparrows—The rose-crested grosbeak—The swallows—The cedarbird—The catbird—The brown thrasher—The house wren—The robin—The bluebird.

No. 55.—The Dairy Herd: Its Formation and Management. Pp. 24.

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No. 56.—Experiment Station Work—I. Pp. 31, figs. 10.

Contents: Good vs. poor cows—Corn vs. wheat—Effects of rations richer and poorer in protein—Forage crops for pigs—Robertson silage mixture—Alfalfa—Effect of fertilizers on the proportion of grain to straw and stover—Comparative fertilizing value of the different phosphates—The harmful effects on soils of the continued use of muriate of potash—Recent progress in the study of irrigation—Potato scab—Barnyard manure—Explanation of terms.

No. 57.—Butter Making on the Farm. Pp. 16.

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No. 58.—The Soy Bean as a Forage Crop. With an Appendix on Soy Beans as Food for Man. Pp. 24, figs. 5.

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No. 59.—Bee Keeping. Pp. 32, figs. 19.

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No. 60—Methods of Curing Tobacco. Pp. 16.

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No. 61.—Asparagus Culture. Pp. 40, figs. 17.

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No. 62.—Marketing Farm Produce. Pp. 28, figs. 7.

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No 63.—Care of Milk on the Farm. Pp. 40, figs. 9.

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No. 64.—Ducks and Geese: Standard Breeds and Management. Pp. 48, figs. 37.

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No. 65.—Experiment Station Work—II. Pp. 32, figs. 7.

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No. 66.—Meadows and Pastures: Formation and Cultivation in the Middle Eastern States. Pp. 28, figs. 9.

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No. 68.—The Black Rot of the Cabbage. Pp. 22, figs. 1.

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No. 75.—The Grain Smuts: How they are Caused and How to Prevent Them. Pp. 20, figs. 8.

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No. 77.—The Liming of Soils. Pp. 19.

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No. 78.—Experiment Station Work—V. Pp. 32, figs. 2.

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No. 80.—The Peach Twig-Borer: An Important Enemy of Stone Fruits. Pp. 16, figs. 5.

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No. 81.—Corn Culture in the South. Pp. 24.

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No. 82.—The Culture of Tobacco. Pp. 24.

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No. 83.—Tobacco Soils. Pp. 23, fig. 1.

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No. 85.—Fish as Food. Pp. 30.

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No. 87.—Experiment Station Work—VIII. Pp. 32, figs. 6.

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No. 88.—Alkali Lands. Pp. 23, fig. 1.

CONTENTS: Conditions in the Yellowstone Valley—Rainfall and seepage—How salt determinations are made—Kinds of soil in the valley—Effects of underdrainage.

No. 89.—Cowpeas. Pp. 16, fig. 1.

CONTENTS: Varieties—Soil renovation—Cultivation and harvesting—Cowpeas for forage and for silage—Harvesting the seed—Feeding value.

No. 90.—Manufacture of Sorghum Sirup. Pp. 32.

Contents: Centrifugal molasses—Sorghum sirup and sugar-cane sirup compared—Statistics of sorghum production—Improved varieties of sorghum—Varieties of sorghum selected for sugar manufacture—Preparing the soil, planting, and cultivation—Grinding cane—Horsepower mills—Clarifying the juice—The use of lime—Skimming, settling, and filtering—Claying the juice—Settling tanks—Evaporating—Letters from representative sirup makers.

No. 91.—Potato Diseases and Their Treatment. Pp. 12, figs. 4.

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No. 92.—Experiment Station Work—IX. Pp. 30.

Contents: Sugar beets on alkali soils—Planting and replanting corn—Improvement of sorghum by selection—Improved culture of potatoes—Second-crop potatoes for seed—Cold vs. warm water for plants—Soils and fertilizers for forcing head lettuce—The date palm in the United States—Recent studies on the codling moth—Jerusalem artichoke for pigs—Supplements to skim milk in fattening calves—Pasteurization of milk for butter making—Gassy and tainted curds—Pure cultures of bacteria for cheese making—Explanation of terms used in discussing fertilizers, foods, feeding stuffs, etc.

No. 93.—Sugar as Food. Pp. 27.

CONTENTS: Extent of use—Chemical composition—Characteristics of cane sugar and of other kinds—The sugar cane—The sugar beet—The sugar maple—Quality of sugar from different sources—Food value of sugar—Digestion of sugar—Sugar as a flavor—Food value of molasses—Practical use of sugar in dietaries of adults—Bad effects ascribed to sugar—Effect of exercise on the amount of sugar which may be eaten—Sugar in cooked foods—Confectionery—Sugar in the dietaries of children.

No. 94.—The Vegetable Garden. Pp. 24, figs. 8.

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No. 95.—Good Roads for Farmers. Pp. 47, figs. 49.

Contents: Location, grading, and drainage of roads—Kinds of roads—Road materials—How to build roads—Road-building machinery—Cost of roads.

No. 96.—Raising Sheep for Mutton. Pp. 48, figs. 18.

Contents: Experiments in producing mutton—Principal mutton breeds compared—Lambs preferred in the markets—Method of cutting mutton—Dipping for scab—What constitutes a good sheep—Essentials of a good fleece—General notes on sheep feeding.

No. 97.—Experiment Station Work—X. Pp. 32, figs. 5.

Contents: Manure from cows—Plants for alkali soils—Influence of alkali on plants—Feeding value of the corn plant—Sows and pigs at farrowing time—The soy bean as a feeding stuff—Alfalfa hay for hogs—Animal matter for poultry—Water and animal diseases—Construction and cooling of cheese—Curing rooms—Irrigation investigations.

No. 98.—Suggestions to Southern Farmers. Pp. 48.

Summaries of addresses delivered at an Interstate Farmers' Convention held at Vicksburg Miss., February 8–10, 1899. They relate to soils, the peculiar advantages of the South for growing forage crops, raising and feeding live stock, cotton seed and its products, and other agricultural matters.

No. 99.—Three Insect Enemies of Shade Trees. Pp. 30, figs. 11.

CONTENTS: The imported elm-leaf beetle—The white-marked tussock moth—The fall webworm—Food plants—Remedies—Relative immunity from insect attack of different varieties of shade trees.

No. 100.—Hog Raising in the South. Pp. 40.

Contents: Suitable location—Water—Building—Breeds and breeding—Feeds and feeding—Diseases and treatment—Experiences of successful hog raisers.

No. 101.—Millets. Pp. 28, figs. 6.

CONTENTS: Foxtail millets—Barnyard millets—Broomcorn millets—Culture of millets—Uses and feeding value—Fertilizing value.

No. 102.—Southern Forage Plants. Pp. 48, figs. 14.

Contents: Formation and care of pastures—Soiling and fodder crops—The more important hay and pasture plants: Grasses; leguminous forage plants; miscellaneous forage plants—Adaptation of forage plants to soils.

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No. 104.—Notes on Frost. Pp. 24.

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No. 105.—Experiment Station Work—XII. Pp. 32, figs. 4.

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No. 106.—Breeds of Dairy Cattle. Pp. 48, figs. 21.

Gives names, numbers, history, descriptions and illustrations of all the principal breeds of dairy cattle in the United States.

No. 107.—Experiment Station Work—XIII. Pp. 32, figs. 3.

Contents: Fertilizer requirements of crops—Persimmons—Forcing rhubarb—Grinding corn for cows—Waste in feeding cornstalks—Molasses for farm animals—Feeding ducks—Cost of raising calves—Feeding calves with milk of tuberculous cows—Killing the germs of tuberculosis in milk—Ropy milk and cream—Dairy salt.

No. 108.—Saltbushes. Pp. 20, figs. 9.

CONTENTS: General characteristics—Distribution of seed—Introduced saltbushes—American saltbushes—Composition and food value—Miscellaneous alkali plants—Alkali and alkali soils.

No. 109.—Farmers' Reading Courses. Pp. 20.

CONTENTS: Origin and purpose—Development in Pennsylvania, Michigan, New Hampshire, Connecticut, New York, West Virginia, and South Dakota—Publications on agriculture used or recommended in farmers' reading courses.

No. 110.—Rice Culture in the United States. Pp. 28.

CONTENTS: Varieties of rice—Production and importation—Rice lands—Rice soils—Irrigation—Methods of culture—Harvesting—Milling—Rice as a food—By-products—Rice culture in southwestern Louisiana and southeastern Texas.

No. 111. The Farmer's Interest in Good Seed. Pp. 24, figs. 7.

Contents: Relation between quality of seed and amount to sow per acre—Weed seeds sown on the farm—Low-priced seed may be expensive—Results of some tests—How to secure good seed.

No. 112.—Bread and the Principles of Bread Making. Pp. 39, figs. 3.

CONTENTS: Grains and flours—Yeast and other leavening agencies—Raised bread—Special breads—Household methods of bread making—Imperfections and impurities in bread—Nutritive value and cost of bread.

No. 113.—The Apple and How to Grow It. Pp. 32, figs. 10.

CONTENTS: Uses of the apple—Propagation: Budding, grafting, etc.—Locating an orchard—Drainage and fertilizing—Planting—Selection of trees—Lists of varieties suited to large areas.

No. 114.—Experiment Station Work—XIV. Prepared in the Office of Experiment Stations, A. C. True, Director. Pp. 28, figs. 5.

CONTENTS: Influence of salt and similar substances on soil moisture—Extra early potatoes—Rotting of cranberries—Chestnuts—Low-grade Paris green—Crude petroleum as an insecticide—Skim milk in bread making—Best number of hens in one pen—Nest box for egg records—Profitable and unprofitable cows.

No. 115.—Hop Culture in California. Pp. 28, figs. 2.

CONTENTS: Varieties of hops—Where grown and yield per acre—Methods of culture—Systems of training—Harvesting and curing—Baling and marketing—Prices and wages—Hop statistics.

No. 116.—Irrigation in Fruit Growing. Pp. 48, figs. 8.

CONTENTS: Irrigation and cultivation—Effects of insufficient moisture—Development and utilization of irrigation water—Preparing the land—Methods of applying the water.

No. 117.—Sheep, Hogs, and Horses in the Pacific Northwest. Pp. 28, figs. 2.

CONTENTS: Sheep husbandry—Hog raising—The horse industry.

No. 118.—Grape Growing in the South. Pp. 32, figs. 6.

Contents: Propagation—Selection of varieties—Planting, cultivation, and fertilizing—Pruning—Trellises and systems of training—Insect enemies and fungous diseases.

No. 119.—Experiment Station Work—XV. Pp. 31, figs. 5.

Contents: Storing apples without ice—Cold storage on the farm—Mechanical cold storage for fruit—Keeping qualities of apples—Improvement of blueberries—Transplanting muskmelons—Banana flour—Fresh and canned tomatoes—Purslane—Mutton sheep—Effect of cotton-seed meal on the quality of butter—Grain feed of milch cows—Protection against Texas fever.

No. 120.—The Principal Insects Affecting the Tobacco Plant. Pp. 32, figs. 25.

CONTENTS: The tobacco flea-beetle—The tobacco horn worms—The bud worms—The "suck fly" and other sucking bugs—The tobacco leaf-miner—Cutworms—The cigarette beetle—Other insects—Remedies.

CIRCULARS OF INFORMATION.

DIVISION OF AGROSTOLOGY.

[See also Division of Botany.]

Circular No. 1.—A Note on Experimental Grass Gardens. Pp. 4.

Circular No. 3.—Saltbushes. Pp. 4, figs. 3.

Circular No. 4.—The Renewing of Worn-Out Native Prairie Pastures. Pp. 4.

Circular No. 5.—Cowpeas. Pp. 11.

Circular No. 6.—The Cultivated Vetches. Pp. 8, figs. 6,

Circular No. 7.—The Gram, Chick-Pea, or Idaho Pea. Pp. 5, fig. 1.

Circular No. 8.—Experiments in Range Improvement. Pp. 5, fig. 1.

Circular No. 11.—The Flat Pea. Pp. 6, figs. 3.

Circular No. 12.—Rape as a Forage Plant. Pp. 6, fig. 1.

Circular No. 13.—Florida Beggar Weed. Pp. 5, figs. 2.

Circular No. 14.—The Velvet Bean. Pp. 5, figs. 3.

Circular No. 15.—Recent Additions to Systematic Agrostology. Pp. 10, figs. 5.

Circular No. 16.—New Species of North American Grasses. Pp. 6. figs. 2.

Circular No. 17.—Crimson Clover. Pp. 6, fig. 1.

Circular No. 18.—Smooth Brome Grass. Pp. 9, figs. 2.

Circular No. 20.—Experiments with Forage Plants in Ontario. Pp. 3.

Circular No. 21.—Cooperative Range Grass and Forage-Plant Experiments at Highmore, S. Dak. Pp. 10, fig. 1.

- Circular No. 22.—Grass and Forage-Plant Investigations on the Pacific Coast. Pp. 7.
- Circular No. 23.—Progress of Experiments in Forage Crops and Range Improvement at Abilene, Tex. Pp. 20, fig. 1.
- Circular No. 24.—Cowpeas and Corn for Silage and Fodder. Pp. 10, figs. 2.
- Circular No. 25.—Turkestan Alfalfa. Pp. 20.
- Circular No. 26.—Rescue Grass. Pp. 4, fig. 1.

BUREAU OF ANIMAL INDUSTRY.

- Circular No. 1.—Directions for Pasteurization of Milk. P. 1, figs. 2.
- Circular No. 2.—Wheat as a Food for Growing and Fattening Animals. Pp. 4.
- Circular No. 3.—Nodular Tæniasis of Fowls. Pp. 3.
- Circular No. 4.—Crossing Improved Breeds of Swine with the Common Hogs of Florida. Pp. 3.
- Circular No. 5.—The Direct Transmission of Infectious Enterohepatitis in Turkeys. Pp. 8.
 - This circular discusses the nature of the disease sometimes called blackhead.
- Circular No. 6.—Black Quarter. Pp. 4.
- Circular No. 7.—Actinomycosis, or Lumpy Jaw. Pp. 4.
- Circular No. 8.—Injuries to Cattle from Swallowing Pointed Objects. Pp. 4.
- Circular No. 17.—Exports of Animals and Their Products. Pp. 3.
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- Circular No. 22.—List of Officers and Associations Connected with the Dairy Interests of the United States and Canada for 1898. Pp. 8.
- Circular No. 23, Revised.—Directions for the Use of Blackleg Vaccine. Pp. 8, figs. 3.
- Circular No. 24.—Colored Spots in Cheese. Pp. 6.
- Circular No. 25.—State Standards for Dairy Products. P. 1.
- Circular No. 26.—Officials, Associations, and Educational Institutions Connected with Dairy Interests of the United States for the Year 1899. Pp. 8.
- Circular No. 27, Revised.—Scales of Points for Judging Dairy Breeds of Cattle. Pp. 16, fig. 1.
- Circular No. 28.—Letters Relating to the Distribution of Vaccine. Pp. 9.
- Circular No. 29.—Officials, Associations, and Educational Institutions Connected with the Dairy Interests of the United States for the Year 1900. Pp. 10.

Circular No. 30.—Rabies in the District of Columbia. Pp. 15.

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Circular No. 5.—The Carpet Beetle, or "Buffalo" Moth. Pp. 4, fig. 1.

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Circular No. 14.—The Mexican Cotton-boll Weevil. Pp. 8, figs. 5. [Revision of Circular No. 6, printed in two editions—English and Spanish.]

Circular No. 16.—The Larger Corn Stalk Borer. Pp. 3, figs. 3.

Circular No. 17.—The Peach Tree Borer. Pp. 4, fig. 1.

Circular No. 18.—The Mexican Cotton-boll Weevil. Pp. 8, figs. 5. [Revised edition of No. 14, printed in two editions—English and Spanish.]

Circular No. 19.—The Clover Mite. Pp. 4, fig. 1.

Circular No. 20.—The Woolly Aphis of the Apple. Pp. 6, figs. 2.

Circular No. 21.—The Strawberry Weevil. Pp. 7, figs. 4.

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Circular No. 37.—The Use of Hydrocyanic Acid Gas for Fumigating Greenhouses and Cold Frames. Pp. 10, figs. 3.

Circular No. 38.—The Squash-vine Borer. Pp. 6, figs. 2.

Circular No. 39.—The Common Squash Bug. Pp. 5, figs. 3.

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Circular No. 41.—Regulations of Foreign Governments Regarding Importation of American Plants, Trees, and Fruits. Pp. 4.

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Circular No. 41.—Methods of Teaching Agriculture [fourth report]. Pp. 7.

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Circular No. 44.—Agricultural Experiment Stations in the United States. Pp. 8.

Agricultural Education in Scandinavia and Finland. Pp. 15, figs. 4. (Reprinted from Experiment Station Record.)

Agricultural Associations in Belgium. Pp. 21. (Reprinted from Experiment Station Record.)

List of Publications of the Office of Experiment Stations on the Food and Nutrition of Man. Pp. 6.

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- Circular No. 7.—Extension of Markets for American Feed Stuffs. Pp. 8.
- Circular No. 8.—The Manchester District of England as a Market for American Products. Pp. 8, fig. 1.
- Circular No. 9.—Imports and Exports for 1893–1896. Pp. 9.
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- Circular No. 10.—Suggestions to the Lumbermen of the United States in Behalf of More Rational Forest Management. Pp. 8.
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- Circular No. 19.—Progress in Timber Physics. Bald Cypress. Pp. 24.
- Circular No. 21.—Practical Assistance to Farmers, Lumbermen, and Others in Handling Forest Lands. Pp. 5.
- Circular No. 22.—Practical Assistance to Tree Planters. Pp. 11, figs. 5.

 DIVISION OF GARDENS AND GROUNDS.
 - Circular No. 1.—An Experiment in Tea Culture. Pp. 10.

DIVISION OF POMOLOGY.

Circular No. 3.—Notes on Peach Culture. Pp. 10, figs. 4.

DIVISION OF PUBLICATIONS.

- Circular No. 179.—List of Publications of the Department of Agriculture for Sale by the Superintendent of Documents. Pp. 36. (Revised and corrected to July 1, 1900.)
- Circular No. 218.—The Publication Work of the Department of Agriculture as Affected by the Law of January 12, 1895. Pp. 4.
- Circular No. 247.—List of Farmers' Bulletins and Circulars of Information Available for Distribution. Pp. 20. (Revised and corrected to October 15, 1900.)
- Monthly List of Publications.

This list is issued on the last day of each month and contains the titles of all publications issued by the Department of Agriculture during the month. The Monthly List is mailed regularly to all persons who request to have their names enrolled for that purpose.

OFFICE OF ROAD INQUIRY.

- Circular No. 14.—Addresses on Road Improvement. Pp. 15.
- Circular No. 15.—An Act to provide for the Construction of Roads by Local Assessment, County and State Aid. Pp. 3.
- Circular No. 18.—Report of Committee on Legislation, adopted by the State Good Roads Convention held in Richmond, Va., October 10 and 11, 1895. Pp. 6.
- Circular No. 19.—Traffic on the Country Roads. Opinions of Representative Men. Pp. 4.
- Circular No. 20.—Comments on Systems of Maintaining Country Roads. Pp. 7.
- Circular No. 21.—Methods of Constructing Macadamized Roads. Pp. 12.

Extract from a report prepared by the Chief Engineering Inspector of the Local Government Board of Great Britain.

- Circular No. 22.—Appeal for State organization in Tennessee. Pp. 3.
- Circular No. 23.—Money Value of Good Roads to Farmers. Pp. 4.
- Circular No. 24.—Highway Maintenance and Repairs. Pp. 16.

Highway taxation; comparative results of labor and money systems; contract system of maintaining roads.

- Circular No. 25.—Brick Paving for Country Roads. Pp. 7, figs. 6.
- Circular No. 27.—Cost of Hauling Farm Products in Europe. Pp. 12.
- Circular No. 28.—Addresses on Road Improvement in Maine, North Carolina, New York, and Illinois. Pp. 26.
- Circular No. 29.—The Forces which Operate to Destroy Roads, with notes on road stones and problems therewith connected. Pp. 14, pls. 4.
- Circular No. 30.—Repairs of Macadam Roads. Pp. 14.

- Circular No. 31.—Must the Farmer Pay for Good Roads? Pp. 40, figs. 48.
- Circular No. 32.—State Aid to Road Building in Minnesota. Pp. 12, figs. 5.
- Circular No. 33.—Road Improvement in Governors' Messages. Pp. 14.
- Circular No. 34.—The Social, Commercial, and Economic Phases of the Road Subject. Pp. 8.
- Circular No. 35.—Road Improvement in New York. Pp. 15.

OFFICE OF THE SECRETARY.

- Circular No. 2.—Protest Against Proposed Legislation Restricting the Experiments of the Department of Agriculture. Pp. 8.
- Circular No. 3.—Progress of Southern Agriculture. Pp. 12.
- Circular No. 5.—Civil Service in the Department of Agriculture. Pp. 4.
- Circular No. 6.—Number, Status, and Compensation of Employees in the Department of Agriculture. Pp. 4.
- Circular No. 7.—Possible Influence of Importation of Hawaiian Sugar on Beet-Sugar Production in the United States. Pp. 4.

DIVISION OF SOILS.

- Circular No. 3.—The Soils of the Pecos Valley, New Mexico. Pp. 7.
- Circular No. 4.—Soils of Salt Lake Valley, Utah. Pp. 11, fig. 1.
- Circular No. 5.—Bulk Fermentation of Connecticut Tobacco. Pp. 10.
- Circular No. 6.—Instructions for Determining in the Field the Salt Content of Alkali Waters and Soils. Pp. 9.

DIVISION OF STATISTICS.

- Circular No. 1.—Acreage, Production, and Value of Principal Farm Crops in the United States, 1866 to 1895, with Other Data as to Cotton and Wool. Pp. 8.
- Circular No. 2.—The Wheat Crop of the World for 1895. Pp. 2.
- Circular No. 3.—The Farmers' Interest in Finance. Pp. 15.
- Circular No. 4.—The Cotton Crop of 1895. Pp. 15.
- Circular No. 5.—Local Taxation as Affecting Farms. Pp. 16.
- Circular No. 6.—Cereal Crops of 1896. Pp. 12.
- Circular No. 8.—The Cotton Crop of 1896–97. Pp. 4.
- Circular No. 10.—The Brazos River (Texas) Flood of June-July, 1899, and its Effect on the Agriculture of the Submerged Region. Pp. 8.
- Circular No. 11.—The World's Grain Crops in 1899. Pp. 8.
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DIVISION OF VEGETABLE PHYSIOLOGY AND PATHOLOGY.

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EXTRACTS.

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- 2. Education and Research in Agriculture in the United States. Pp. 35.
- 7. Mineral Phosphates and Fertilizers. Pp. 16, figs. 2.
- 10. Hawks and Owls from the Standpoint of the Farmer. Pp. 17, pls. 3, figs. 4.
- 11. The Crow Blackbirds and Their Food. Pp. 15, fig. 1.
- 15. Some Practical Suggestions for the Suppression and Prevention of Bovine Tuberculosis. Pp. 13.
- 18. Pure Seed Investigation. Pp. 20, figs. 9.
- 20. Grasses as Sand and Soil Binders. Pp. 16, figs. 11.
- 21. Sketch of the Relationship between American and Eastern Asian Fruits. Pp. 6.
- 24. Best Roads for Farmers and Farming Districts. Pp. 4, figs. 7.
- 25. State Highways in Massachusetts. Pp. 8.
- 26. Improvement of Public Roads in North Carolina. Pp. 8, pls. 2.
- 27. Tobacco Soils of Connecticut and Pennsylvania. Pp. 13, figs. 7.
- 28. Truck Lands of the Atlantic Seaboard. Pp. 15, figs. 3.
- 29. Conditions in Soils in the Arid Region. Pp. 15, figs. 3.
- 30. Weather Conditions of the Crop of 1894. Pp. 5, figs. 2.
- 31. Three Articles on Roads. Pp. 22, pls. 2, figs. 7.
 - 1. Best Roads for Farmers and Farming Districts.
 - 2. State Highways in Massachusetts.
 - 3. Improvement of Public Roads in North Carolina.

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- 34. Testing Seeds at Home. Pp. 9, figs. 3.
- 37. The Meadow Lark and the Baltimore Oriole. Pp. 12, figs. 2.
- 38. Hemp Culture. Pp. 8.

- 41. Some additions to Our Vegetable Dietary. Pp. 10, figs. 9.
- 42. Work of the Department of Agriculture as Illustrated at the Atlanta Exposition. Pp. 20, fig. 1, pls. 3.
- 44. (Part 2.) Butter Substitutes. Pp. 8.
- 45. Sufficiency of Milk Separators in Removing Bacteria. Pp. 14, figs. 8.
- 46. Climate, Soil, and Irrigation in California. Pp. 12, pls. 2, figs. 5.
- 47. Small Fruit Culture for Market. Pp. 12, pl. 1.
- 50. Pear Blight: It Cause and Prevention. Pp. 6.
- 52. Two Hundred Weeds: How to Know and Kill Them. Pp. 18.
- 55. Pineapple Industry in the United States. Pp. 14, pl. 1, figs. 6. (Reprinted from the Yearbook for 1896.)
- 60. Timothy in the Prairie Region. Pp. 8, figs. 2.
- 62. The Country Slaughterhouse as a Factor in the Spread of Disease. Pp. 12.
- 66. The Blue Jay and Its Food. Pp. 10, figs. 3.
- 73. The Use of Steam Apparatus for Spraying. Pp. 20, pl. 2, figs. 15.
- 74. Insect Control in California. Pp. 20, figs. 2, pl. 1.
- 75. Asparagus Beetles. Pp. 12, figs. 6.
- 76. The Feeding Value of Corn Stover. Pp. 8.
- 77. Improvement of Our Native Fruits. Pp. 8.
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- 81. Irrigation on the Great Plains. Pp. 30, figs. 9, pls. 2.
- 82. Diseases of Shade and Ornamental Trees. Pp. 18, figs. 5.
- 83. Influence of Environment in the Origination of Plant Varieties. Pp. 18, figs. 8.
- 87. Pruning and Training Grapevines. Pp. 42, figs. 21.
- 88. An Ideal Department of Agriculture and Industries. Pp. 10.

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- 101. Danger of Importing Insect Pests. Pp. 24, figs. 18.

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- 120. Some Interesting Soil Problems. Pp. 12.
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- 129. Forage Plants for Cultivation on Alkali Soils. Pp. 18, figs. 4.
- 130. Cattle Dipping: Experimental and Practical. Pp. 22, figs. 2.
- 131. The Preparation and Use of Tuberculin. Pp. 12, pl. 1.
- 132. The Danger of Introducing Noxious Animals and Birds. Pp. 26, pl. 1, figs. 6.
- 133. Birds as Weed Destroyers. Pp. 14, pl. 1, figs. 7.
- 134. Weeds in Cities and Towns. Pp. 10, figs. 5.
- 135. Can Perfumery Farming Succeed in the United States? Pp. 24, figs. 7.
- 136. Grass Seed and Its Impurities. Pp. 22, pls. 5, figs. 2.
- 137. Utilization of Residues from Beet-Sugar Manufacture in Cattle Feeding. Pp. 10.
- 139. Insects Injurious to Beans and Peas. Pp. 30, figs. 17.
- 140. Some Types of Agricultural Colleges. Pp. 20, pls. 7.
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- 143. Notes on Some Forest Problems. Pp. 14, pls. 4.
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